

**A METHOD, APPARATUS AND COMPUTER
PROGRAM FOR EXECUTING A PROGRAM**

ABSTRACT OF THE DISCLOSURE

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There is provided a method for executing a program comprising a function call and one or more subsequent instructions. The method comprises processing, on a first thread, a function defined by the function call, the function having one or more programmer predefined typical return values. For each predefined return value, the one or more subsequent instructions are pre-processed on an additional thread assuming that the function returned that pre-defined return value. In this way the processor, on completion of processing said function is able to make use of the pre-processing completed by the additional thread which used the actual return value.